



Marking of Line

Marking of line is the first important work after the cleaning and levelling of a site. By reviewing or studying the foundation plan of a building structure, marking of the centre of the foundation is done with lime powder. For that, firstly the boundary of the plot is fixed with wooden bamboo planks.

Certain markings are done on the ground before the excavation of the foundation is actually started.

Process of Line-out

The line-out process serves as a guide and provides checking of construction of the foundation work.

Tools required

1. Line *dori* or thread
2. *Gamla* or iron pot
3. Wooden or steel pegs
4. Hammer
5. Spade
6. Trowel
7. Plumb bob
8. Pickaxe
9. Mason square

Raw material

Lime powder, bricks, cement, sand

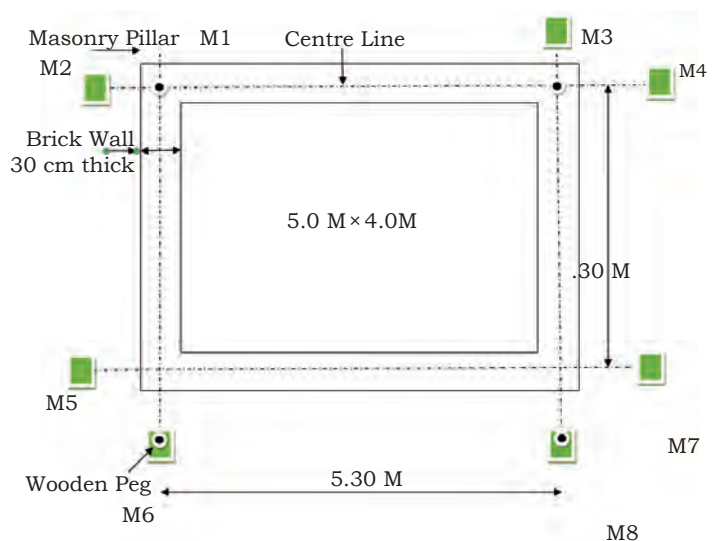


Fig. 5.1: Foundation Plan

Procedure

1. From the site plan, one line (A-A”) may be established and selected. This may be used as a base line for the entire work. (Fig. 5.1)
2. Then at the centre, a line of wooden pegs shall be driven on the ground.
3. Two wooden pegs are driven at an equal distance on either sides of the centre line peg equal to the width of foundation trench.
4. Thread or line *dori* shall be tied with the rest of the pegs. Now lines are marked with the help of pick-axe.
5. Line powder should be spread along these lines.
6. Along centre line pegs, masonry pillar(MP1) (one brick × one brick) shall be constructed at a distance of approx. 2 metre from the centre line. (Fig. 5.2)
7. These pillars are kept in height up to plinth level and plastered.
8. Same process is followed for marking the four corners of centre line of foundation plan.

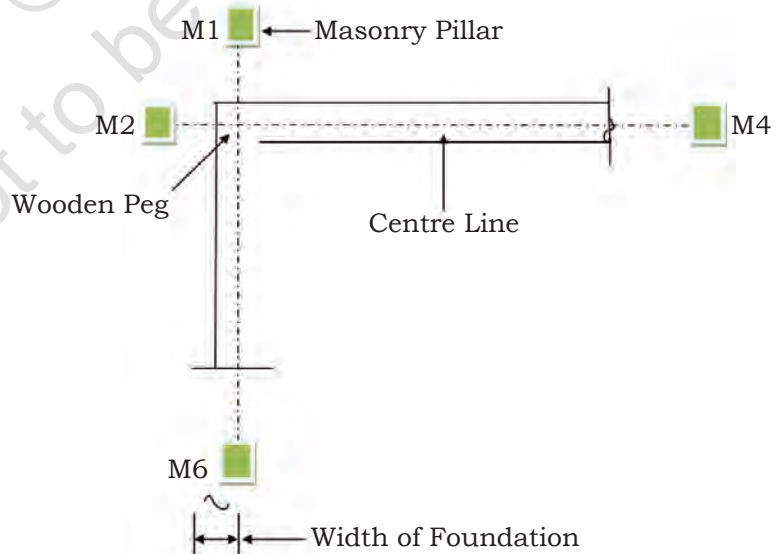


Fig.5.2 : Line-out for Foundation

Practical Activity

1. Mark the line-out of foundation for one room building

Check Your Progress

A. Answer the following questions

1. Which tools are used for line-out for foundation plan? Explain with sketch.
2. Write down the procedure for marking line-out for foundation on ground.

NOTES

